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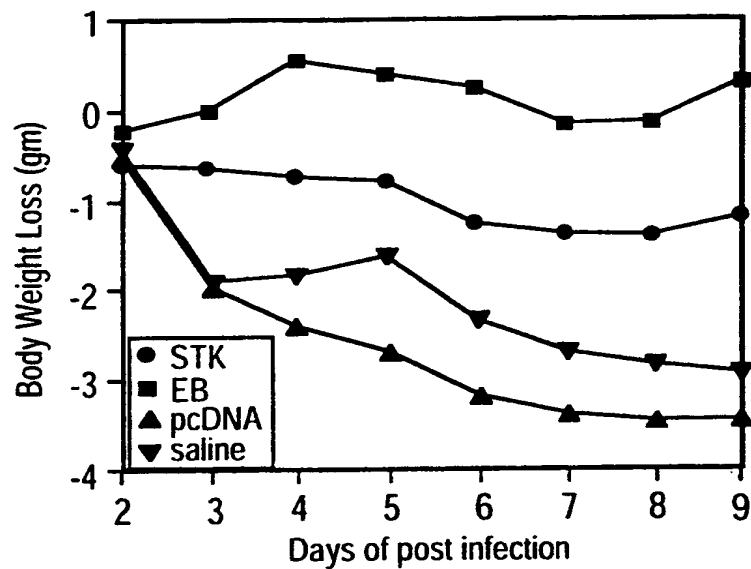
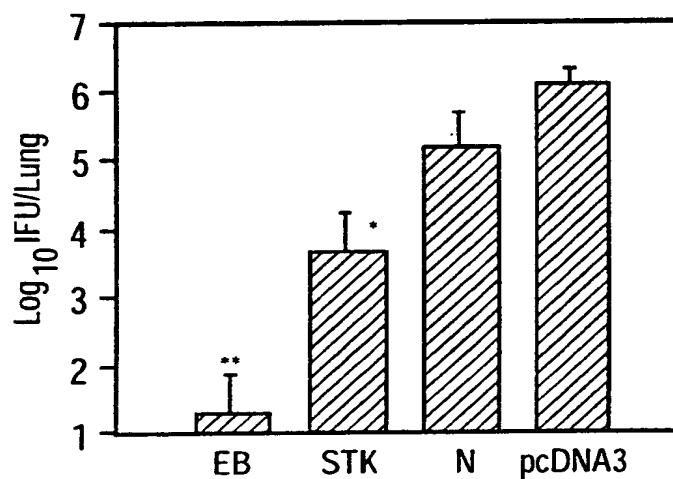


FIG.1A



* p<0.05, **p<0.01, when compared with pcDNA3 group

FIG.1B

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Construction of pSTK

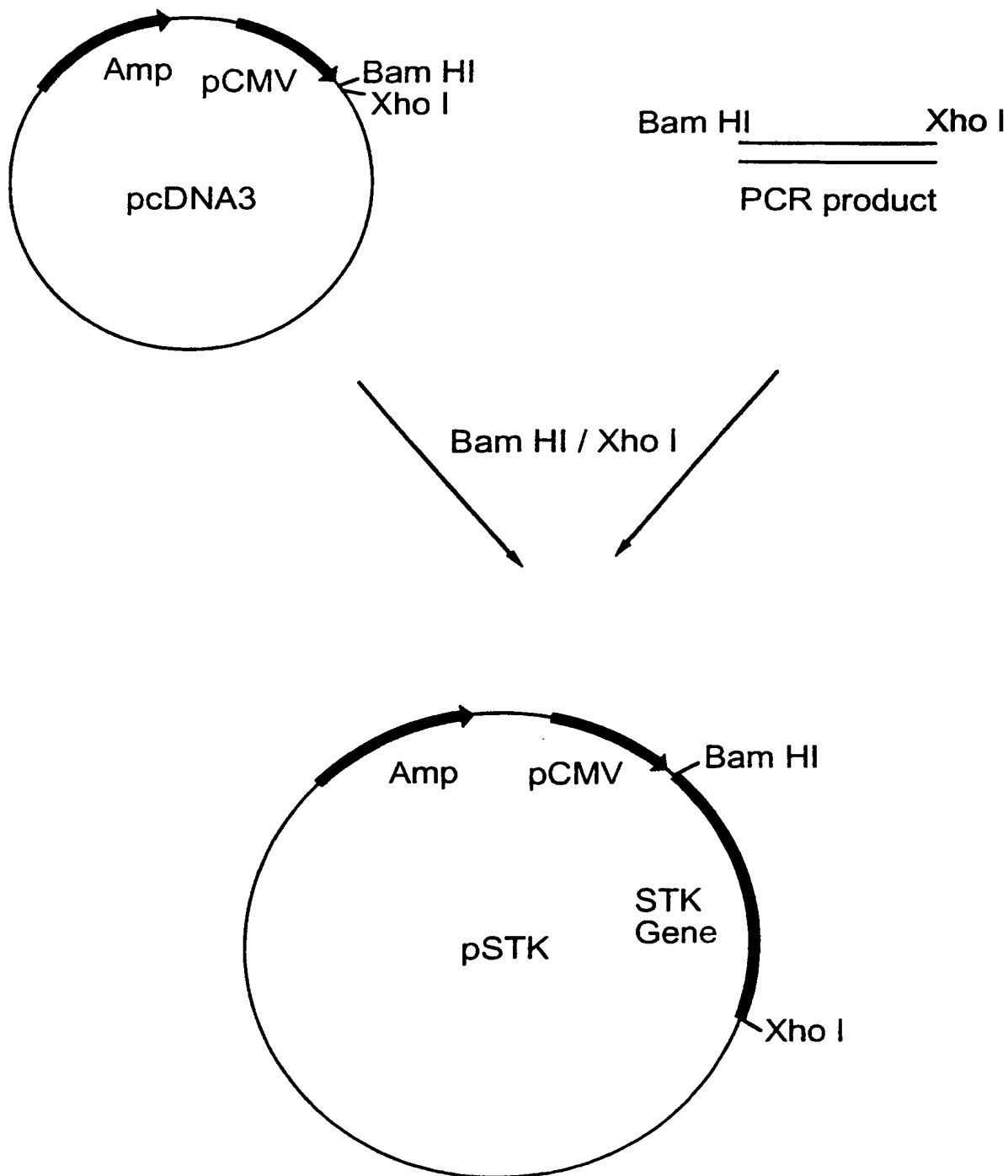


FIG.2

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FIG.3A

Chlamydia trachomatis Serine threonine kinase gene (STK)

>stk gene, 1467 bases

1	ATG CTT GAA TTA GGC GTA TCG TTT CCT TOC AAG ACT AAA TAT CTT	45
46	CTG ACA CGA GAA CTT AGT CGT AAG GTA GGC TTG ACT GTC TAT CAA	90
91	GCA GTG GAT GAG AGT TCT TCT CGT CCT GIG ATC AAA GCA TTG	135
136	GTA TCT CCA GGG ATT CAT GAC CAG CGT TTT CTT CGT GCT TTT GAA	180
181	GAA GAA GCT AGG ATT ATG CAA CTT GTA GAT CAT CCG GCA TTT GTT	225
226	CGA TTA GAA GAA AAA GGT GAG TCG GAG CAA GCA CGT TAT TTC GTT	270
271	TCT GAA TAT ATT TTA GGG CAT TCA TTG CGA GAT ATT ATC CTT TCA	315
316	TCT CAT CTC GCT TTG GAT AAG GCA GTT TCT ATT GTT TTA CAA GTA	360
361	GCG CAG GCA ATA ACG GCT CTT CAT AAA CAT CAT GTT TTA CAT CTC	405
406	GAT ATT AAA CCT GAA AAC ATC ATG ATT TCT CCG TTG GCA GAG GTC	450
451	AAG TTG ATC GAT TAT GGG CTT TCA GCC TCG CAA TTT AAT CAT TGG	495
496	GGT TCG CCT GCA TAT ATG AGT AGT CCC GAA CAG AGC AGG CAG GAA AAG	540
541	CTA TCT CCC GCA TCC GAT GIG TAT GCT TTA GCT TTG TTA GCT TAT	585
586	GAG CTG ATT ATG GGG CAG CTT TCT TTA GGA AAG GTC TAT TTA TCT	630
631	TTA CTC CCC GTA AAG ATT AGT AAA GIG TTA ACT CAA GCA TTG CAA	675
676	CCA GAC CCA GAA GCA CGG TTT CCT TCT ATG CAA GAG TTT GCT ACG	720
721	GCT TTG CAA GAT TAT CTT ATG CAT GAT GIG CAC GAA GAT TAT CGT	765
766	AAA AAA GAT CGC GTA ATC ATG CAG TTT GAA CAG TTG CAG CAA CAA	810
811	AAT ATG TGG CTG GCT CCA GAT AAG CTT TGC ATG CCG GAA GGG ATG	855
856	GCT CTG CAC ATT TAT TCA CAA AAA GAG CCC TGT GAT TTA CAT AAT	900
901	GTT TAC TAT GAT ATA CTT AGG TCT GAG GAT ATA GTA GAA TTG TGG	945

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FIG.3B

946	TTC	TGT	TAT	GCT	CAG	GGG	CAC	TGT	AGT	TTT	GCT	CIT	AGT	ATG	ATC	990
991	AAA	CAG	TTT	CTT	AAT	CAG	CCA	ACA	GAG	AAA	GCG	CAA	GAT	ATC	CCA	1035
1036	ACA	GTA	ATA	AAA	ACA	TTG	GAT	ACT	CTT	TGT	AAA	ACA	ATG	CAT	ATT	1080
1081	CCG	CIT	TGT	GAA	AAA	GGG	ATT	TCC	TGC	TGC	TGT	TTT	ATA	TTT	TTC	1125
1126	CAA	CAA	GAA	CTC	ATG	TGC	TTT	TCT	TGT	GGG	AAA	ACT	GAT	TTC	TGG	1170
1171	TTA	AAA	AAG	CAA	ACG	AGG	GGA	GIG	CAA	CGT	TTT	CAA	GCG	GAA	TGG	1215
1216	CAA	GGA	ATA	GGG	GAA	GAG	GGA	CCC	CTG	GAG	ATC	CAC	AAA	CAA	TCT	1260
1261	TTT	TTG	TGG	GAA	CCT	GGT	GAT	GAG	CIT	ATC	GTA	CAC	ACC	CCG	AGG	1305
1306	GCT	AGA	GAT	TTG	GTA	TAT	TTA	TAC	TGT	OCT	TCT	TTC	CTG	AAG	TIG	1350
1351	CAA	GAT	AGA	GGG	CAA	ATG	GAT	ATA	TTC	TGC	CAA	ACA	GAT	TAC	CTT	1395
1396	CAG	AAG	GAA	GTG	AGG	CAG	AAG	TAT	GAC	GGA	AGT	CIT	TAT	OCT	TCA	1440
1441	ACA	CIT	ATC	AGC	TTA	AAA	AGA	GTC	CCG							1467